



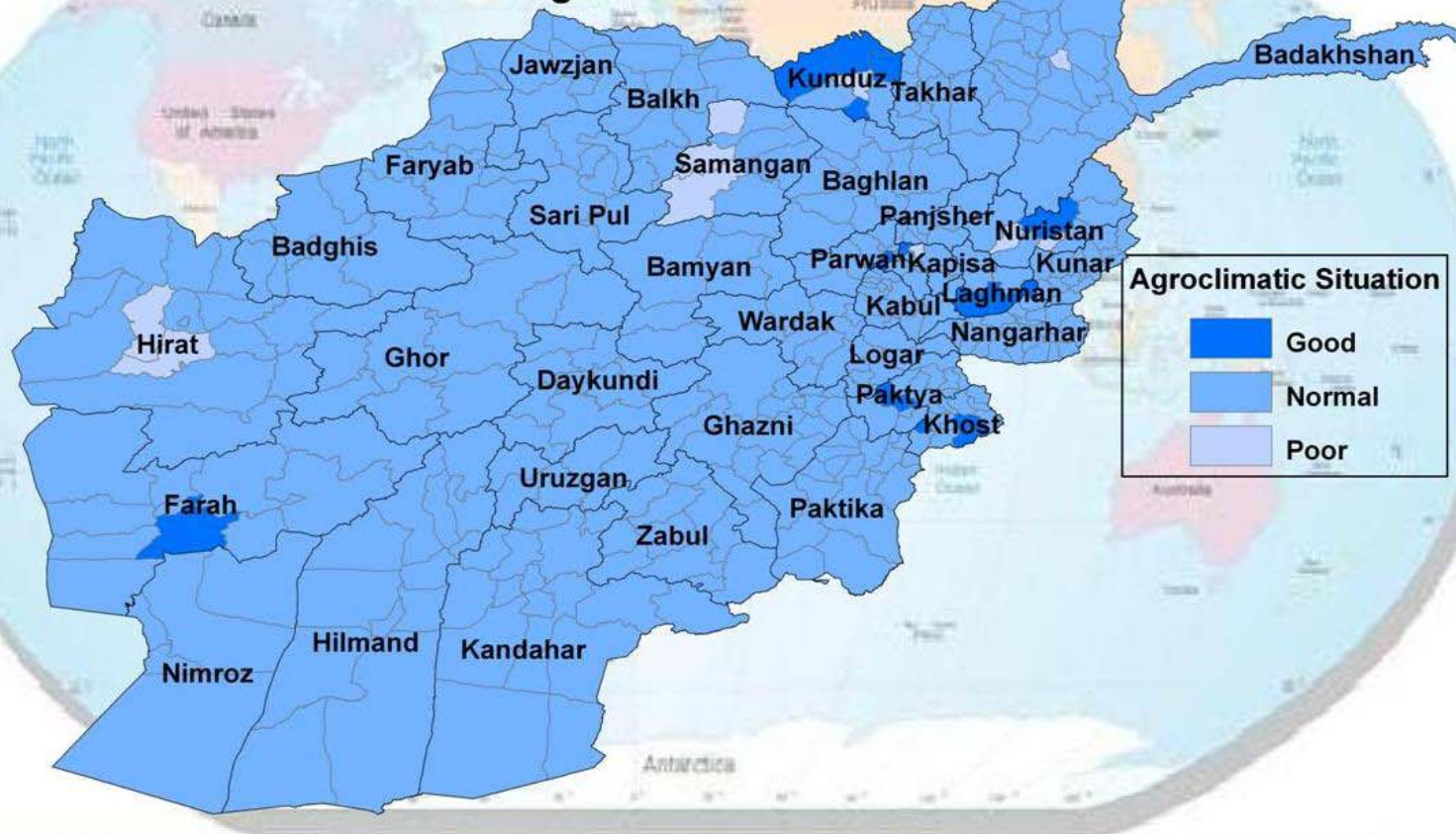
Issue No: 78

August: 2011

# The Afghanistan Agrometeorological Monthly Bulletin

Topics Crop Information Precipitation Temperature NDVI

## General Agroclimatic Situation of Afghanistan August 2011



Adverse Factor

1

Crop Condition

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Crop Stage

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The Afghanistan's Agromet Monthly Bulletin is being Published on monthly Bases in Dari and English Languages.

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### Data Source:

Ministry of Agriculture , Irrigation and Livestock (MAIL), Agromet Project , Afghan Meteorological Authority (AMA), United States Geological Survey (USGS), Food and Agriculture Organization of United Nation (FAO)

## Summary

However, the Eastern, Southeastern, Capital and the Northeastern regions experienced good rainfall during the monsoon activities, the rainfall was lighter than the rainfall was expected at this time specially in August 2011 so, the rainfall had significant decrease in August 2011 compared to the same month of last year.

Typically in summer time the temperature is going to rise than other months of the year all over the country specially the low elevations which are going to be heated more. During the month of August 2011 the Southern region, Southwestern region, Eastern region and some parts of the Northern region experienced the highest temperature during the month of August 2011.

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Shakardara	Karizmir	Harvesting		
		Paghman	Paghman	Harvested		
		Kabul	Darulaman			
		Surubi	Surubi			
	Panjsher	Dara	Dara	Harvesting		
		Dashtak	Dashtak	Harvested		
	Parwan	Syagerd	Gor band	Harvesting		
		Charikar	Charikar	Harvested		
	Kapisa	Mahmoodraqi	Mahmoodraqi			
		Kohistan	Kohistan			
		Syagerd	Syagerd			
	Wardak	Chake	Chake	Harvesting		
		Jaghato	Jaghato	Harvested		
	Bamyan	Bamyan	Bamyan	Harvesting		
		Yakawlang	Yakawlang			
		Panjab	Panjab			
		Shebar	Shebar			
	Ghazni	Muqur	Muqur	Harvested		
		Andar	Bande Sardi	Planting		
East	Nangarhar	Agam	Agam	Pre planting		
		Batikot	Ghaziabad	Harvested		
		Jalalabad	Farm jaded			
		Behsood	Behsood			

Data Source: Agromet Network

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
East	Kunar	Asmar	Asmar	Harvested		
		Asad Abad	Asad Abad			
	Laghman	Mihtarlam	Mihtarlam			
		Qarghay	Qarghay			
	Noristan	Paroon	Paroon	Grain Filling	Good	Not Existed
		Do Ab	Do Ab	Flowering	Normal	Poor Rainfall
		Norgaram	Norgaram	Harvested		
		Waigal	Waigal			
		Wama	Wama	Flowering	Normal	Poor Rainfall
North East	Takhar	Bangi	Bangi	Harvested		
		Taluqan	Taluqan			
	Kunduz	Imam Sahib	Imam Sahib			
		Qaliazal	Aqtipa			
		Khan Abad	Khan Abad			
		Kunduz	Kunduz			
		Archi	Archi			
		Ali Abad	Ali Abad			
	Baghlan	Pulikhomri	Pozaishan			
		Doshy	Doshy			
	Badakhshan	Argo	Argo			
		Baharak	Baharak	Maturity	Poor	Poor Rainfall
		Ashkashm	Ashkashm	Maturity	Normal	Poor Rainfall
		Khash	Kash	Harvesting		
		Faiz Abad	Faiz Abad	Grain Filling	Normal	Not Existed
South East	Khost	Khost	Khost	Harvested		
		Khost	Shimal			
		Ali Sher	Ali Sher			
	Paktia	Zormat	Rohani Baba			
		Gardiz	Tera			
	Paktika	Urgon	Urgon	Harvesting		
		Sharana	Sharana			
		Khair kot	Khair kot	Maturity	Normal	Not Existed

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
South	Nimroz	Zaranj	Zaranj	Harvesting		
	Kandahar	Kandahar	Kandahar	Harvested		
	Zabul	Qalat	Qalat			
	Urozgan	Tirin Kot	Tirin Kot			
	Hilmand	Nad Ali	Nad Ali			
		Greshk	Greshk			
		Nawa	Nawa			
		Lashkargah	Bolan			
North	Balkh	Takhta pol	Dihdadi	Maturity		
		Nahrishahi	Nahrishahi			
		Dawlat Abad	Dawlat Abad	Harvesting		
	Jawzjan	Sheberghan	Sheberghan	Harvested		
		Darzab	Darzab			
	Saripul	Saripul	Saripul	Harvesting		
		Sozmaqala	Sozmaqala			
	Faryab	Maimana	Maimana	Maturity	Normal	Not Existed
		Andkhoy	Andkhoy	Harvesting		
		Garzeewan	Garzeewan			
	Samangan	Aibak	Aibak	Maturity		
		Dara Souf	Dara Souf			
		Sar bagh	Sarbagh	Maturity	Normal	Not Existed
North West	Badghis	Qalainow	Qalainow	Harvested		
		Muqur	Muqur	Harvesting		
	Ghor	Chaghcharan	Chaghcharan			
	Hirat	Shindand	Shindand	Harvested		
		Zindajan	Zindajan			
		Gwazara	Falahat	Maturity	Normal	Not Existed
		Hirat	Farm Urdokhan	Harvesting		
	Farah	Farah	Farah	Harvested		

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Maize		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Surubi	Surubi	Maturity	Normal	Weeds
	Panjsher	Dara	Dara	Vegetative	Normal	Not Existed
		Dashtak	Dashtak	Flowering	Normal	Not Existed
	Parwan	Syagerd	Gor band	Vegetative	Normal	Not Existed
		Charikar	Charikar	Flowering	Good	Poor Rainfall
	Kapisa	Mahmoodraqi	Mahmoodraqi	Flowering	Normal	Weeds
		Kohistan	Kohistan	Flowering	Good	Not Existed
Syagerd		Syagerd	Grain Filling	Poor	Poor Rainfall	
East	Nangarhar	Agam	Agam	Flowering	Normal	Poor Rainfall
		Batikut	Ghaziabad	Grain Filling	Normal	Not Existed
		Jalalabad	Farm jaded	Maturity	Good	Not Existed
		Behsood	Behsood	Flowering	Normal	Pest and Diseases
		Asmar	Asmar	Flowering	Normal	Poor Rainfall
	Kunar	Asad Abad	Asad Abad	Grain Filling	Normal	Poor Rainfall
		Laghman	Mihtarlam	Mihtarlam	Flowering	Good
	Qarghay		Qarghay	Flowering	Good	Not Existed
	Noristan	Paroon	Paroon	Grain Filling	Good	Not Existed
		Do Ab	Do Ab	Flowering	Normal	Poor Rainfall
		Norgaram	Norgaram	Flowering	Normal	Not Existed
		Waigal	Waigal	Flowering	Normal	Poor Rainfall
		Wama	Wama	Flowering	Normal	Not Existed
North East	Takhar	Bangi	Bangi	Flowering	Normal	Not Existed
		Taluqan	Taluqan	Flowering	Normal	Not Existed
	Kunduz	Imam Sahib	Imam Sahib	Flowering	Good	Not Existed
		Qaliazal	Aqtipa	Flowering	Good	Not Existed
		Khan Abad	Khan Abad	Flowering	Normal	Not Existed
		Kunduz	Kunduz	Flowering	Poor	Poor Rainfall
		Archi	Archi	Flowering	Good	Not Existed
		Ali Abad	Ali Abad	Flowering	Good	Not Existed
	Baghlan	Pulikhomri	Pozaishan	Vegetative	Normal	Not Existed
Doshy		Doshy	Vegetative	Normal	Not Existed	
South East	Khost	Ali Sher	Ali Sher	Flowering	Good	Not Existed
		Khost	Khost	Flowering	Good	Not Existed
		Khost	Shimal	Grain Filling	Good	Not Existed
	Paktia	Zormat	Rohani Baba	Maturity	Normal	Not Existed
		Gardiz	Tera	Flowering	Good	Not Existed
	Paktika	Urgon	Urgon	Flowering	Normal	Not Existed
		Sharana	Sharana	Vegetative	Normal	Not Existed
South	Urozgan	Khair kot	Khair kot	Flowering	Normal	Not Existed
		Tirin Kot	Tirin Kot	Flowering	Normal	Not Existed
		Nad Ali	Nad Ali	Flowering	Normal	Not Existed
		Greshk	Greshk	Flowering	Normal	Not Existed
		Nawa	Nawa	Flowering	Normal	Not Existed
North	Samangan	Lashkargah	Bolan	Flowering	Normal	Poor Rainfall
		Aibak	Aibak	Flowering	Normal	Not Existed
		Dara Souf	Dara Souf	Flowering	Poor	Poor Rainfall
		Sar bagh	Sarbagh	Flowering	Poor	Poor Rainfall
	Balkh	Takhta pol	Dihdadi	Flowering	Normal	Not Existed
North West	Herat	Shindand	Shindand	Flowering	Normal	Not Existed
		Zindajan	Zindajan	Flowering	Poor	Poor Rainfall
		Gwazara	Falahat	Flowering	Poor	Poor Rainfall
		Hirat	Farm Urdokhan	Vegetative	Normal	Not Existed
	Farah	Farah	Farah	Vegetative	Good	Not Existed

Data Source: Agromet Network

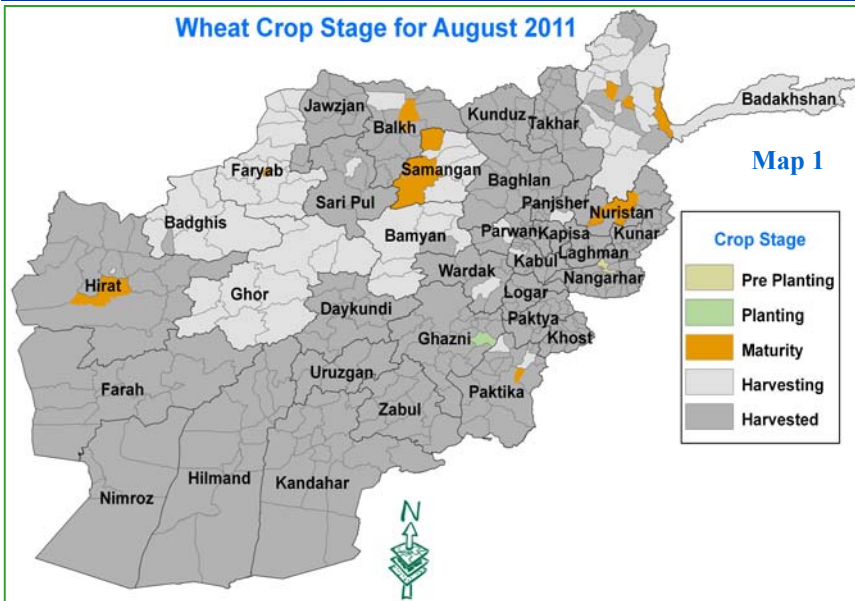
## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Rice		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Surubi	Surubi	Maturity	Normal	Weeds
East	Nangarhar	Agam	Agam	Flowering	Normal	Not Existed
		Batikot	Ghaziabad	Flowering	Normal	Not Existed
		Jalalabad	Farm jaded	Grain Filling	Normal	Not Existed
		Behsood	Behsood	Flowering	Normal	Pest and Diseases
	Kunar	Asmar	Asmar	Vegetative	Normal	Poor Rainfall
		Asad Abad	Asad Abad	Grain Filling	Normal	Poor Rainfall
	Laghman	Mihtarlam	Mihtarlam	Flowering	Normal	Poor Rainfall
		Qarghay	Qarghay	Flowering	Good	Not Existed
North East	Takhar	Bangi	Bangi	Flowering	Normal	Not Existed
		Taluqan	Taluqan	Flowering	Normal	Not Existed
	Kunduz	Imam Sahib	Imam Sahib	Flowering	Good	Not Existed
		Qaliazal	Aqtipa	Flowering	Normal	Not Existed
		Khan Abad	Khan Abad	Vegetative	Normal	Not Existed
		Kunduz	Kunduz	Flowering	Poor	Poor Rainfall
		Archi	Archi	Flowering	Good	Not Existed
		Ali Abad	Ali Abad	Flowering	Good	Not Existed
	Baghlan	Pulikhomri	Pozaishan	Grain Filling	Good	Not Existed
		Doshy	Doshy	Grain Filling	Normal	Poor Rainfall
South East	Khost	Khost	Khost	Flowering	Normal	Not Existed
		Khost	Shimal	Grain Filling	Normal	Not Existed
		Ali Sher	Ali Sher	Flowering	Good	Not Existed
	Paktia	Zormat	Rohani Baba	Grain Filling	Normal	Not Existed
		Gardiz	Tera	Grain Filling	Normal	Not Existed
South	Urozgan	Tirin Kot	Tirin Kot	Flowering	Normal	Not Existed
North	Samangan	Dara Souf	Dara Souf	Emergence	Normal	Not Existed
North West	Herat	Shindand	Shindand	Flowering	Normal	Poor Rainfall
		Zindajan	Zindajan	Flowering	Normal	Not Existed
		Gwazara	Falahat	Flowering	Normal	Not Existed
		Hirat	Farm Urdokhan	Vegetative	Normal	Not Existed

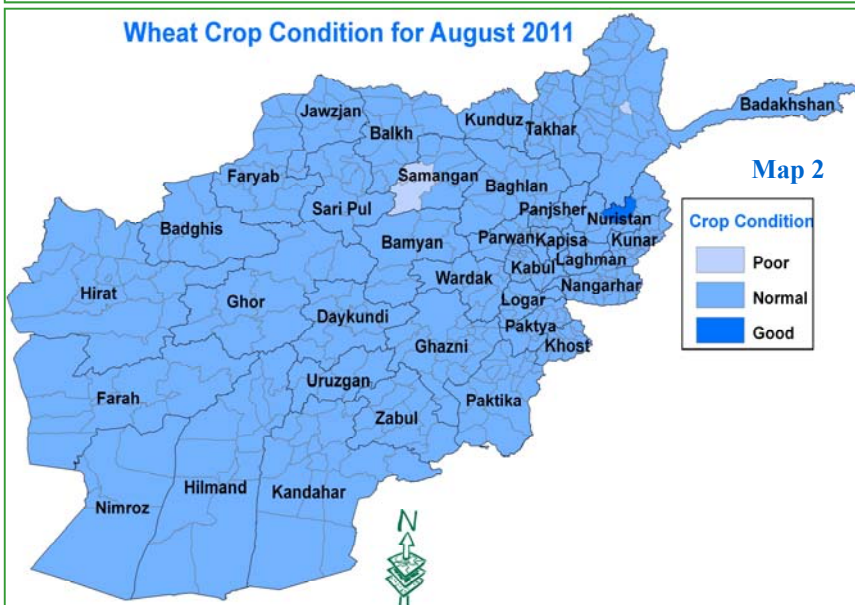
Data Source: Agromet Network

## Wheat Crop Stage, Condition and Adverse Factor Maps

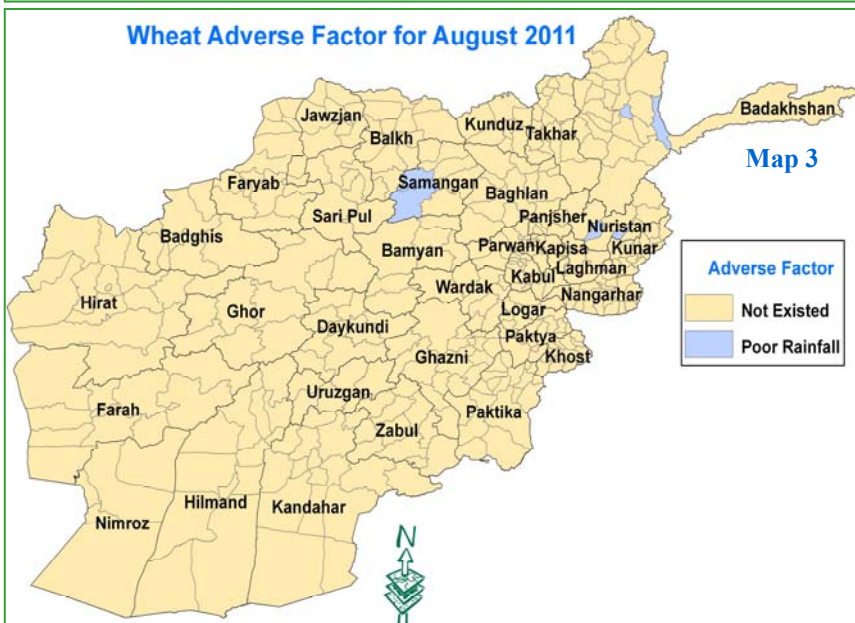
Wheat Crop Stage for August 2011



Wheat Crop Condition for August 2011



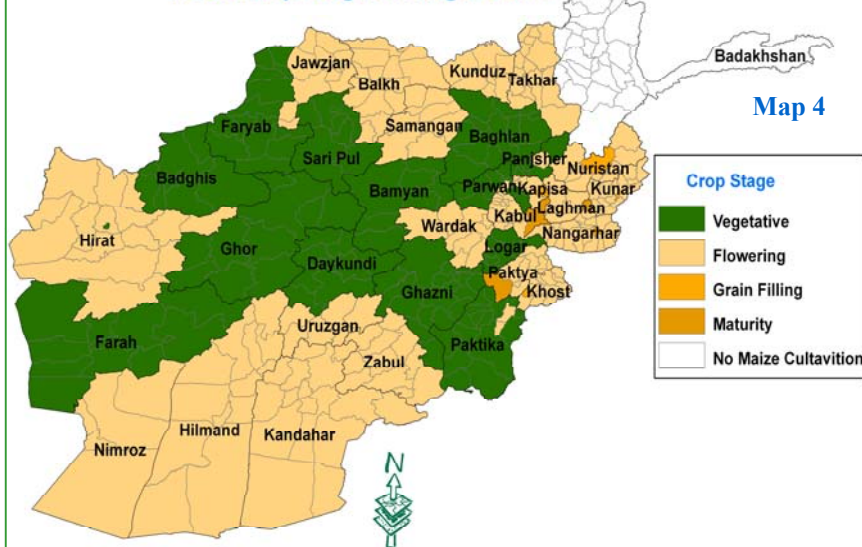
Wheat Adverse Factor for August 2011



Data Source: Agromet Network

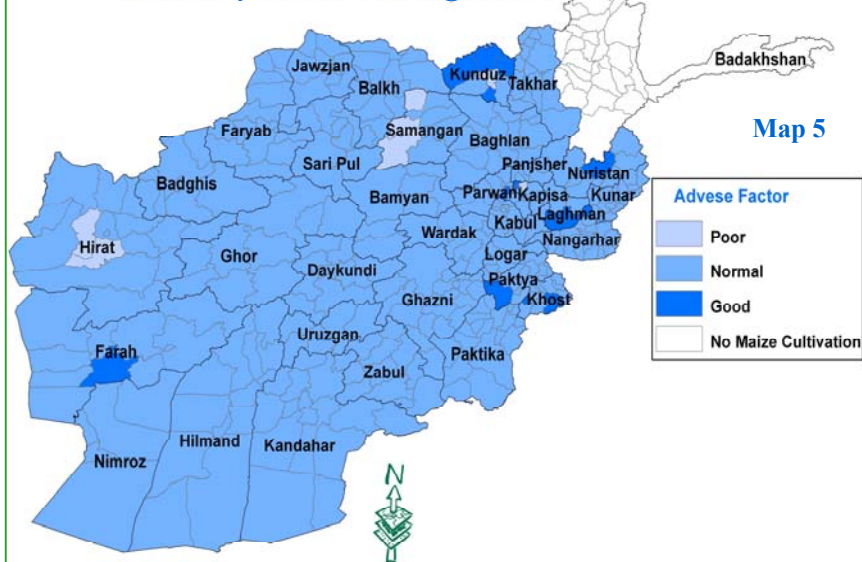
## Maize Crop Stage, Condition and Adverse Factor Maps

Maize Crop Stage for August 2011



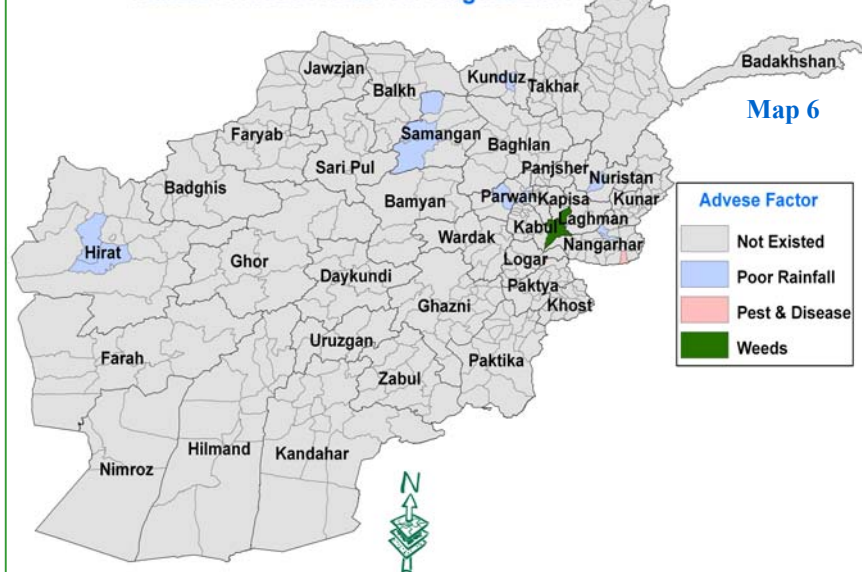
Map 4

Maize Crop Condition for August 2011



Map 5

Maize Adverse Factor for August 2011

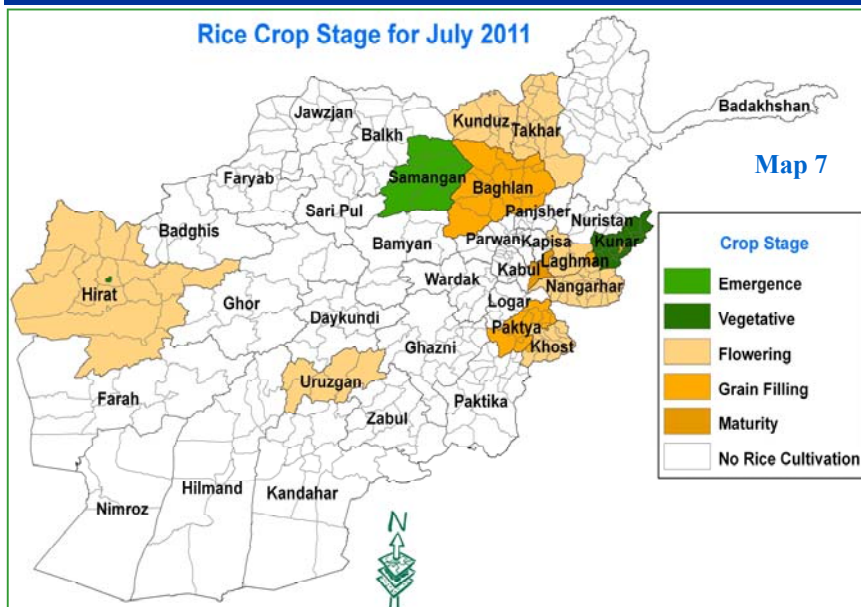


Map 6

Data Source: Agromet Network

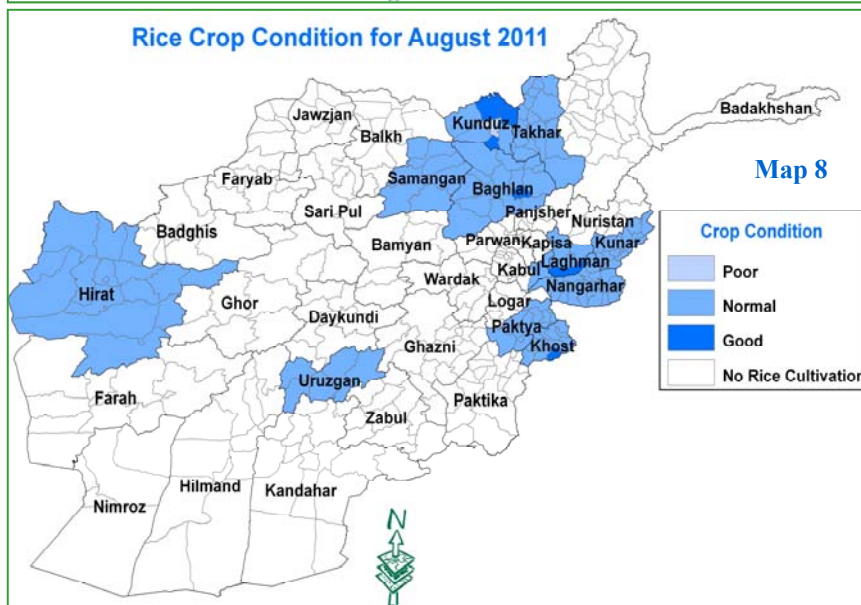
## Rice Crop Stage, Condition and Adverse Factor Maps

Rice Crop Stage for July 2011



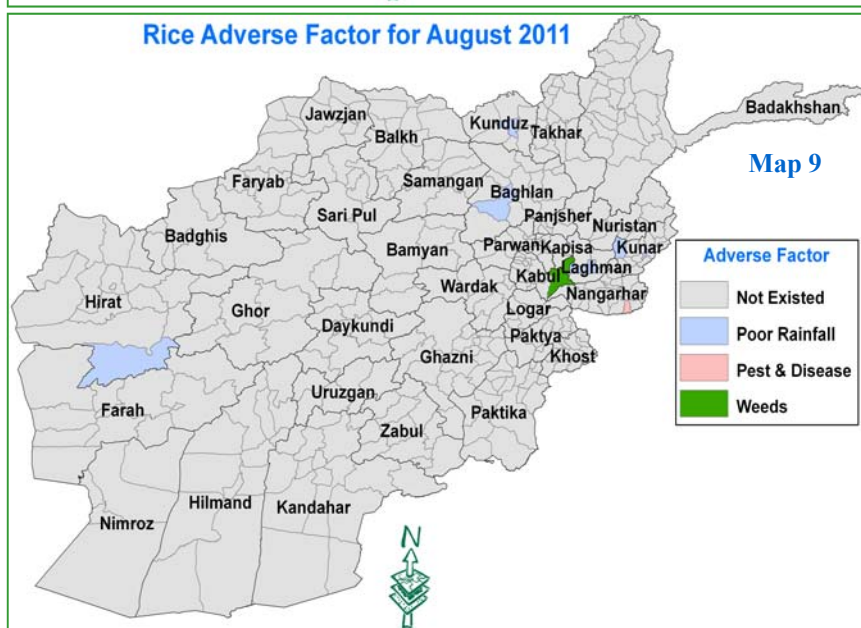
Map 7

Rice Crop Condition for August 2011



Map 8

Rice Adverse Factor for August 2011



Map 9

## Precipitation

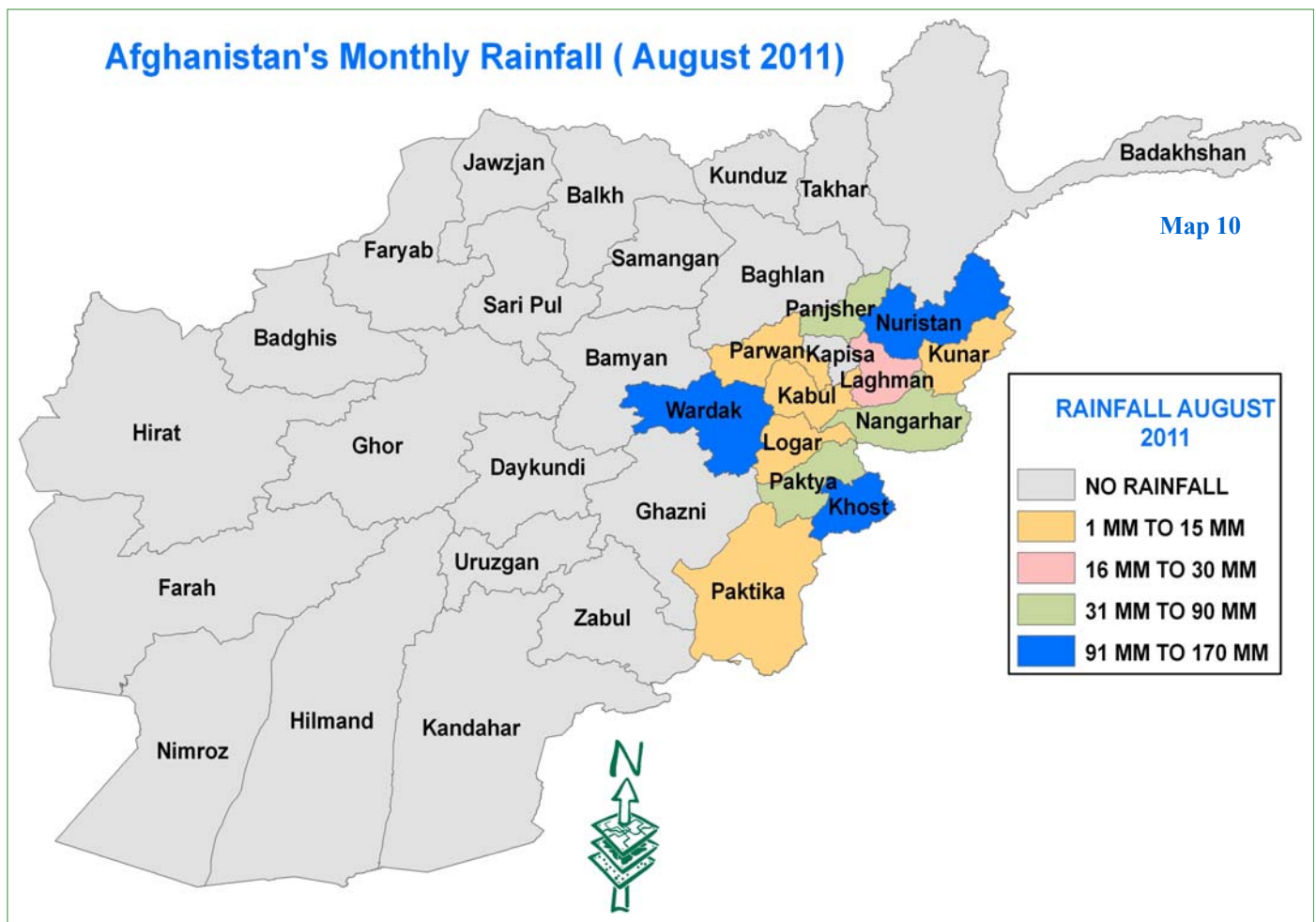
However, the Eastern, Southeastern, Capital and the Northeastern regions experienced good rainfall during the monsoon activities, the rainfall was lighter than the rainfall was expected at this time specially in August 2011 so, the rainfall had significant decrease in August 2011 compared to the same month of last year.

Comparison of recorded rainfall during the month of August 2011 with the same month in 2010 (Chart 1) shows significant decrease of rainfall during the month of August 2011 over the same month of last year.

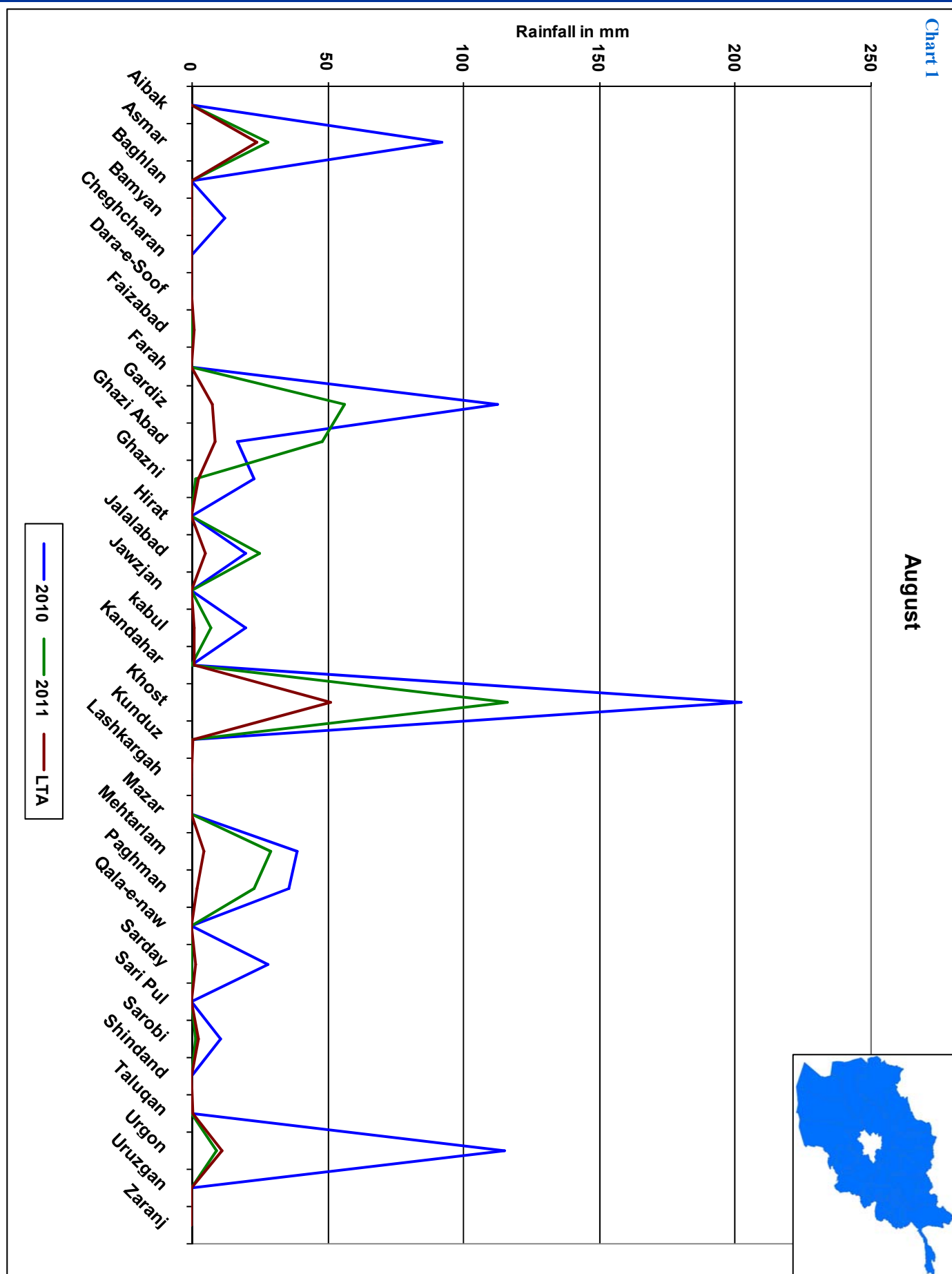
Comparison of rainfall data for the month of August 2011 with the same month of

long term average (Chart 1) shows an increase of rainfall during the month of August 2011 over the same month of long term average.

As Map (10) shows, during the month of August 2011 the big amount of rainfall has occurred in some parts of the Eastern region, some parts of the Southeastern and some parts of the Capital, at the same time, some parts of mentioned regions has received moderate rainfall too. In the remaining regions of the country, during the month of August 2011 seasonal dryness was continued.



## Rainfall Graphs for the Month of August 2011



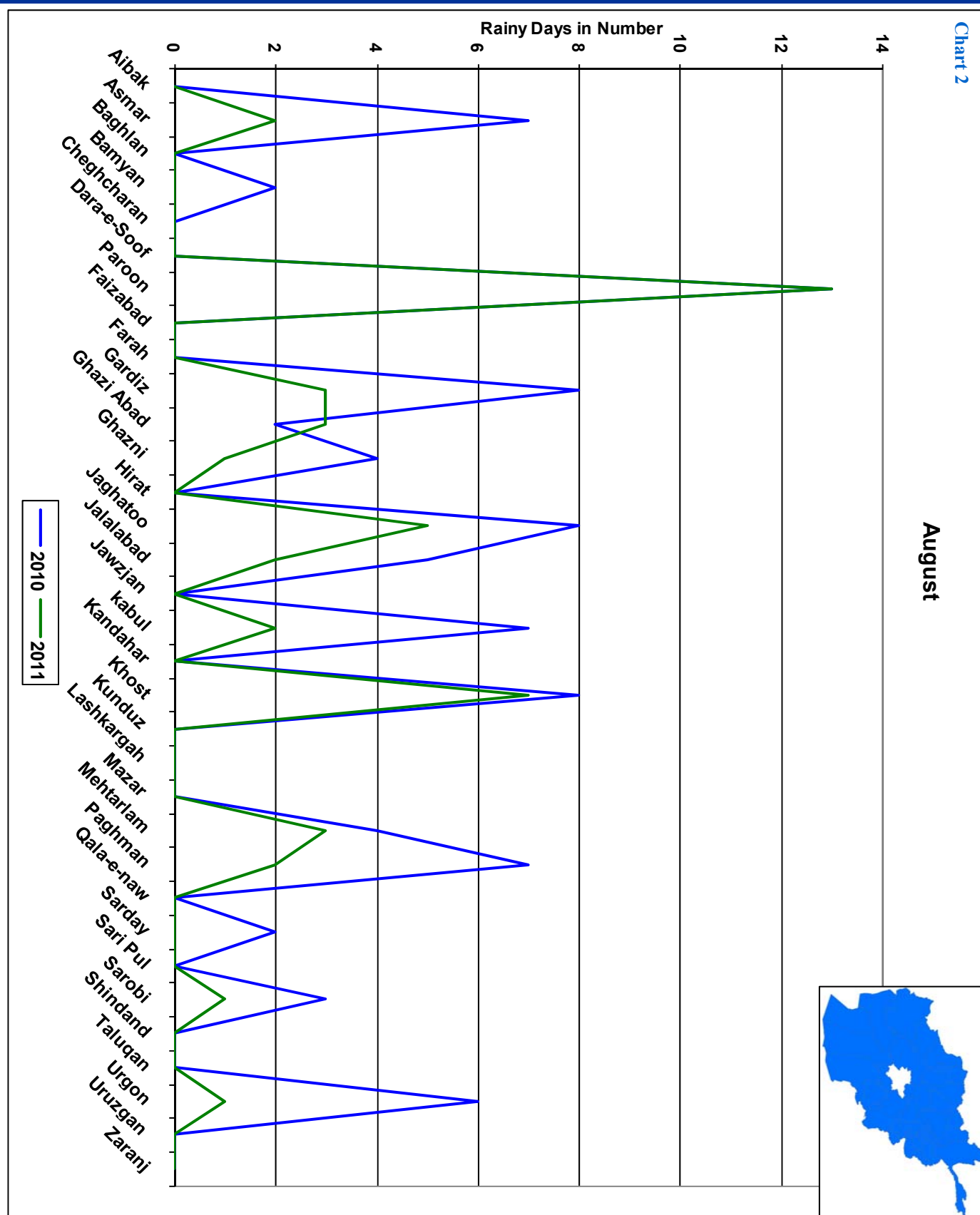
# Rainfall for the Month of August 2011

Table 1

Stations	August		
	Rainfall in (mm)		
	2010	2011	LTA
Aibak	0	0	0
Asmar	92	28	23.8
Baghlan	0	0	0
Bamyan	12.5	0	0
Cheghcharan	0	0	0
Dara-e-Soof	0	0	0
Paroon	Data Not Available	170	Data Not Available
Faizabad	0	0	1.1
Farah	0	0	0
Gardiz	112.8	56.3	7.5
Ghazi Abad	17	48	8.7
Ghazni	22.8	1.5	2.4
Hirat	0	0	0
Jaghatoo	271	108	Data Not Available
Jalalabad	20	25	5
Jawzjan	0	0	0
kabul	20	7.2	1.2
Kandahar	0	0	1
Khost	202	116	51.2
Kunduz	0	0	0.3
Lashkargah	0	0	0.1
Logar	Data Not Available	15.6	2
Mazar	0	0	0
Mehtarlam	39	29	4.4
Paghman	36	23	1.9
Qala-e-naw	0	0	0
Sarday	28	0	1.5
Sari Pul	0	0	0
Sarobi	10.5	1.4	2.4
Shindand	0	0	0
Taluqan	0	0	0.3
Urgon	115	9	11.4
Uruzgan	0	0	0
Zaranj	0	0	0

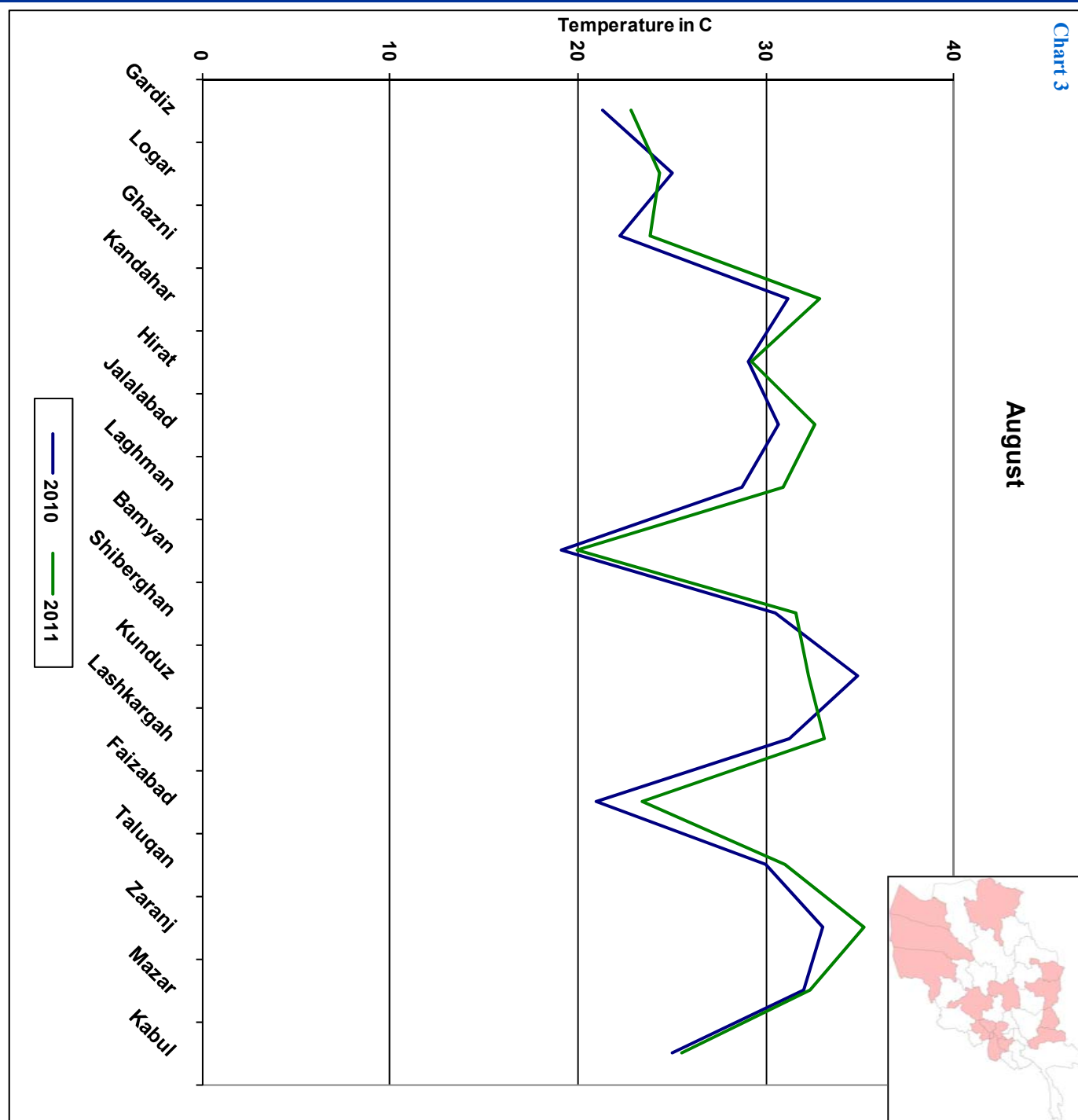
Data Source: Agromet Network

## Rainy Days for the Month of August 2011



Comparison of rainy days for the month of August 2011 with the same month in 2010 (Chart 2) shows significant decrease of rainy days during the month of August 2011 over the same month of last year.

## Average Temperature for the Month of August 2011

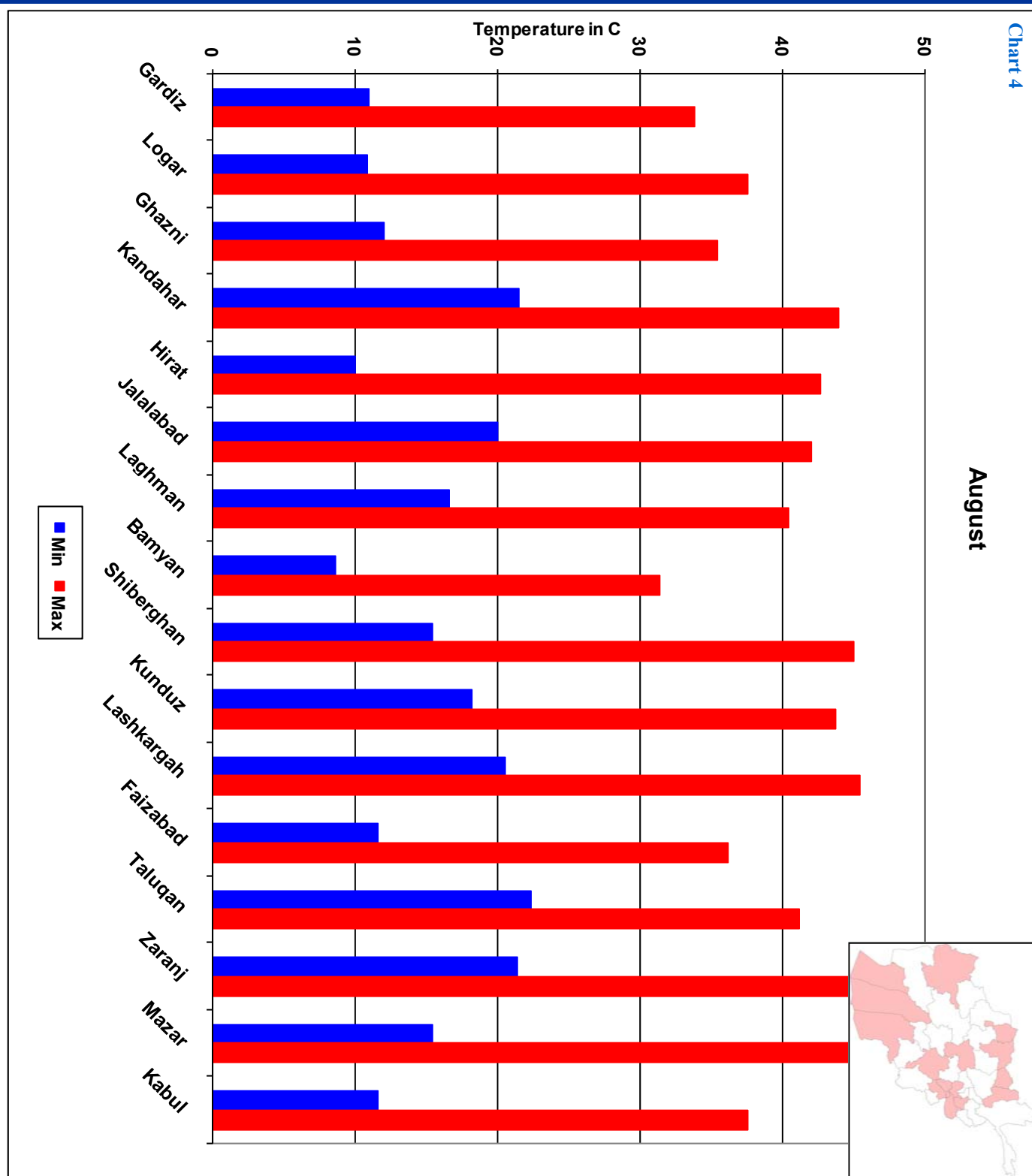


**During the month of August 2011 temperature was mostly higher than the same month of last year.**

Typically in summer time the temperature is going to rise than other months of the year all over the country specially the low elevations which are going to be heated more. During the month of August 2011 the Southern region, Southwestern region, Eastern region and some parts of the Northern region experienced the highest temperature during the month of August 2011.

Comparison of monthly average of temperature for the month of August 2011 with the same month in 2010 (Chart 3) shows small increase of temperature during the month of August 2011 over the same month of last year in most parts of the country except Kunduz where temperature was accompanied with decrease.

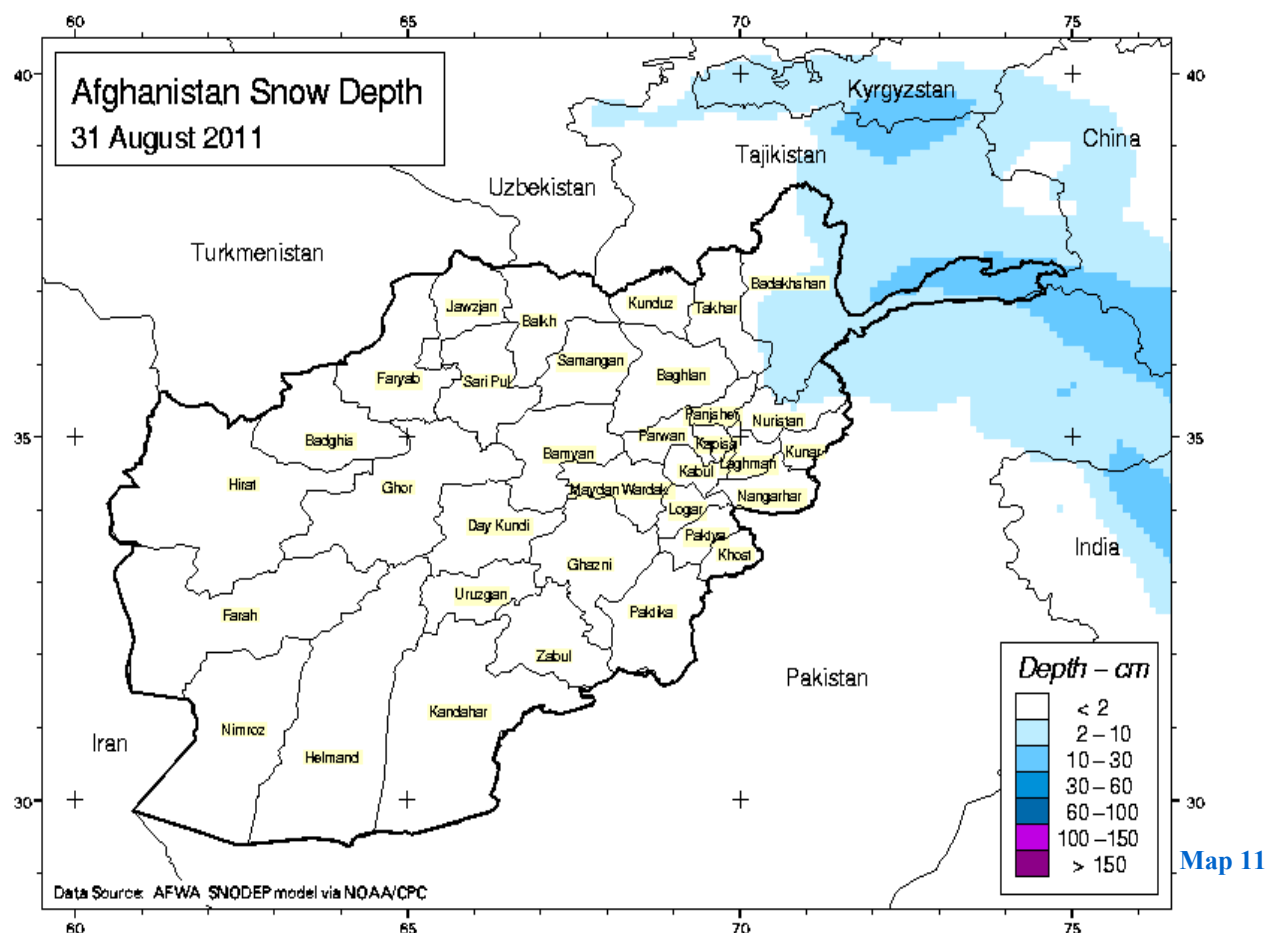
## Temperature for the Month of August 2011



**Zaranj with 46 ° C was the warmest spot of the Country during the month of August 2011 .**

Chart (3) shows maximum and minimum spot of the country during August 2011 and Bamyan temperature for the month of August 2011. As chart (3) shows Zaranj with 46 ° C was the warmest month. with 8.6 ° C experienced lowest temperature in this month.

## Afghanistan Snow Depth for month of August 2011



However there is no snowfall in this time of the year, map (11) shows snow in the Northeastern extreme portion which is remained from the last season, the depth of the remained snow is recorded 10 – 30 cm.

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